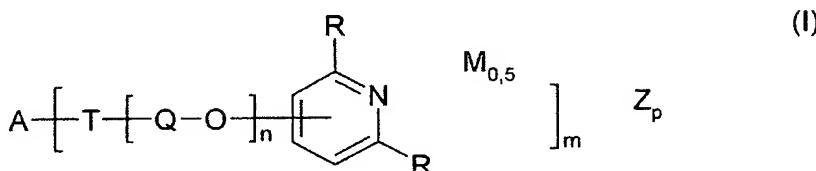


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Abstract

In the polymer of transition-metal-bridged units of the formula (I)



where

A is an m-valent organic radical,

T independently of one another are O or NH,

Q independently of one another are $\text{CHR}^1\text{-CH}_2$ where R^1 is H or optionally substituted C₁₋₆-alkyl,

R independently of one another are H, 2-pyridyl, 2-imidazolinyl, 2-imidazolyl, 2-thiazolinyl, 2-thiazolyl, 2-pyridazyl, 2-pyrimidyl, carboxyl, carboxylic ester radical, carboxamide radical, carboxylate, phosphonate, where at least one of the radicals R is different from H,

M is Fe^{2+} , Fe^{3+} , Co^{2+} , Co^{3+} , Zn^{2+} , Ru^{2+} , Os^{2+} , Ni^{2+} ,

Z is SO_4^{2-} , CH_3OO^- , BF_4^- , SF_6^- , Cl^- , Γ , PF_6^- , perchlorate,

n is 1 to 10 000,

m is 2 to 100,

p is a number which corresponds to the charge balance within the polymer,

the average molecular weight of the polymer is at least 15 000.